

WHAT IS CLAIMED IS:

1. Compositions containing oil-soluble and/or water-soluble oxygen-labile species comprising oil-soluble or water-soluble oxygen-labile species and one or more stabilizer compounds selected from the group consisting of:

- a) thio-containing compounds; and
- b) glycoproteins.

2. Compositions according to claim 1 wherein said thio-containing compounds are selected from the group consisting of sulfites, metabisulfites, glutathione and cysteine derivatives.

3. Compositions according to claim 1 wherein said glycoprotein is lactoferrin.

4. Compositions according to claim 3 wherein said composition further comprises thioxanthine and uric acid.

5. Compositions according to claim 1 wherein said oil-soluble oxygen-labile species are selected from one or more of the group consisting of retinoids, choleciferol, vitamin K tocotrienol, fatty acids, and tocopherol and their derivatives.

6. Compositions according to claim 1 wherein said water-soluble oxygen-labile species are selected from one or more of the group consisting of ascorbic acid and its derivatives, niacin, thiamine, riboflavin, folic acid, pyridoxine, pantothenic acid, niacinamide, lipoic acid, dihydrolipoic acid, amino acids and their derivatives.

7. A composition according to claim 2 wherein said thio-containing compound is N-acetylcysteine.

8. Compositions according to claim 1 wherein said composition comprises one or more retinoids and one or more tocopherols and one or more ascorbic acid or its derivatives.

9. Compositions according to claim 1 wherein said composition comprises ascorbic acid and tocopherol or their derivatives.

10. Compositions according to claim 1 wherein said composition comprises retinoids and ascorbic acid or its derivatives.

11. ~~Compositions according to claim 1 wherein said composition comprises retinoids.~~
12. ~~Compositions according to claim 1 wherein said composition comprises ascorbic acid or its derivatives.~~
13. ~~Compositions according to claim 1 wherein said composition comprises tocopherol or its derivatives.~~
14. ~~Compositions according to claim 8 wherein said compositions comprise lactoferrin or iniferine.~~
15. ~~Compositions according to claim 8 wherein said compositions comprise N-acetyl cysteine.~~
16. A method of stabilizing compositions containing oil-soluble or water-soluble oxygen-labile species or combinations thereof comprising adding to said compositions oil-soluble or water-soluble oxygen-labile species one or more stabilizer compounds selected from the group consisting of:
- a) thio-containing compounds; and
  - b) glycoproteins.